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(54) **ROLL COATER DEVICE**

(57) Abstract:

PURPOSE: To enable the increase of the partial pressure of a reactive gas near a substrate by providing another chamber of a low pressure to the periphery of a target so that the diffusion of the reactive gas and the gas emitted from the substrate to the neighborhood of the target is prevented.

CONSTITUTION: This roll coater device is used for continuous production of a thin insulator film of a compd. by a reactive DC magnetron sputtering system and is provided with double boxes consisting of an inside box 10 and outside box 11 near the target 7. A reactive gas introducing port 8 is provided to the outside of the outside box 11. The target 7 and a reactive gas introducing port 9 are provided in the inside of box 10. The inside of the respective boxes 10, 11 is evacuated by different evacuation pumps.

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